

**REMARKS/ARGUMENTS**

Reconsideration and withdrawal of the rejections of the application are respectfully requested in view of the amendments and remarks herewith, which place the application into condition for allowance. The present amendment is being made to facilitate prosecution of the application.

**I. STATUS OF THE CLAIMS AND FORMAL MATTERS**

Claims 40- 71 are pending in this application. Claims 40, 46, 54, 59, 62, and 69 are independent. Claims 1-21 were previously canceled. Claims 22-39 have been canceled herein without prejudice or disclaimer of subject matter. No new matter has been introduced by this amendment. Support for this amendment is provided throughout the Specification. Changes to claims are not made for the purpose of patentability within the meaning of 35 U.S.C. §101, §102, §103, or §112. Rather, these changes are made simply for clarification and to round out the scope of protection to which the Applicants are entitled.

**II. REJECTIONS UNDER 35 U.S.C. §112**

Claims 22-30 were rejected under 35 U.S.C. §112 as allegedly indefinite. Claims 22-30 are canceled herein, obviating the rejection.

**III. REJECTIONS UNDER 35 U.S.C. §103(a)**

Claims 22-39 were rejected under 35 U.S.C. §103(a) as allegedly unpatentable over U.S. Patent No. 6,813,254 to Mujtaba in view of U.S. Patent No. 6,157,191 to Heid.

Claims 22-39 are canceled herein, thereby obviating the rejection.

#### IV. RESPONSE TO REJECTIONS

As understood by Applicants, U.S. Patent No. 6,813,254 to Mujtaba (hereinafter, merely "Mujtaba") relates to digital, CDMA-related processing rather than analog, OFDM-related processing. Mujtaba teaches a combination of OFDM and CDMA techniques as reflected in col. 3, lines 54-57 as well as Fig. 12-15. In Fig. 12-15, elements to the left of the parallel-to-serial converter/serial-to-parallel converter effect OFDM-related processing, whereas elements to the right thereof effect CDMA-related processing; however, Mujtaba is concerned with digital processing in a CDMA system, as is clear from the terms "parallel-to-serial" and "serial-to-parallel" as well as e.g. use of the term "codes" in column 6, lines 49-54 and the discussion relating to digital "data" in column 7, lines 11-17 of Mujtaba, the processing carried out therein is carried out in the digital domain. Mujtaba does not teach analog processing in an OFDM system, which is the subject matter of the Applicants' claims 40-71.

As understood by Applicants, U.S. Patent No. 6,157,191 to Heid (hereinafter, merely "Heid") relates to a method for fast Fourier transformation for nuclear magnetic resonance signals arranged in a matrix having an arbitrary size. There is no motivation or suggestion in either Heid or Mujtaba for attempting to combine these references in the manner proposed by the Examiner.

Applicants respectfully submit that the features of independent claims 40, 46, 54, 59, 62, and 69 are not taught or suggested in Mujtaba or Heid. Therefore, independent claims 40, 46, 54, 59, 62, and 69 are believed to be patentable.

## V. DEPENDENT CLAIMS

The other claims in this application are each dependent from one of the independent claims discussed above and are therefore believed patentable for at least the same reasons. Since each dependent claim is also deemed to define an additional aspect of the invention, however, the individual reconsideration of the patentability of each on its own merits is respectfully requested.

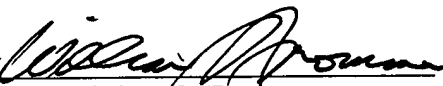
## CONCLUSION

In the event the Examiner disagrees with any of statements appearing above with respect to the disclosure in the cited references, it is respectfully requested that the Examiner specifically indicate the portion, or portions, of the reference, or references, providing the basis for a contrary view.

Please charge any additional fees that may be needed, and credit any overpayment, to our Deposit Account No. 50-0320.

In view of the foregoing amendments and remarks, it is believed that all of the claims in this application are patentable and Applicants respectfully request early passage to issue of the present application.

Respectfully submitted,  
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